

1710, 1917.

U.S.A.

Build Notes

W

Blue Bond



Good for the Eyes

NOTE BOOK

No. 202

Price 10c.

Bird Notes.

Jan 5, 1916.

Mr. Rieber brought me a Flicker's nest-box - octagonal. Rain, very cold. Birds come very freely to feed.

Jan. 6. Maximum flock on feeding ground.

13 Golden-crowned Sparrows, 4 Fox Sparrows, 2 Wren-tits, 3 Thrashers, 2 Blue jays, 3 Song sparrows, 4 Cal. Brown Towhees, 3 S. F. Towhees, 1 White-throated sparrow.

Jan. 7. Haven't heard a Nuthatch this winter.

Jan. 14. Mr. R. and Fred brought me another Flicker's box and a box for a Wren. Saw following birds eating suet - 11:30^{8:30} - 2 P.M. 7 Golden-cr. Sp., 3 Fox Sp., 2 Wren-tits.

Jan. 15. Most of birds except Hermit Thrush were eating suet. Saw six Fox Sp. taking turns at it.

Jan. 16. Saw 6 Blue Birds flying from south to north just west of big C.

Jan. 18. Rusty Song Sparrow appeared again. (2nd year)

Jan. 1916

Jan. 20. Elected Secretary of Cooper Club.

Jan. 21. Miss Amy Grinnell came up with Mrs. Ferguson to see the birds.

Jan. 22. Sent off 1st to And. Soc. - dues for ten children in my Junior And. Circle. Children know all of the birds that come regularly to feed.

Jan. 23. Six Blue Birds flew over in same direction again. Rain.

Jan. 27. Rain - cold again.

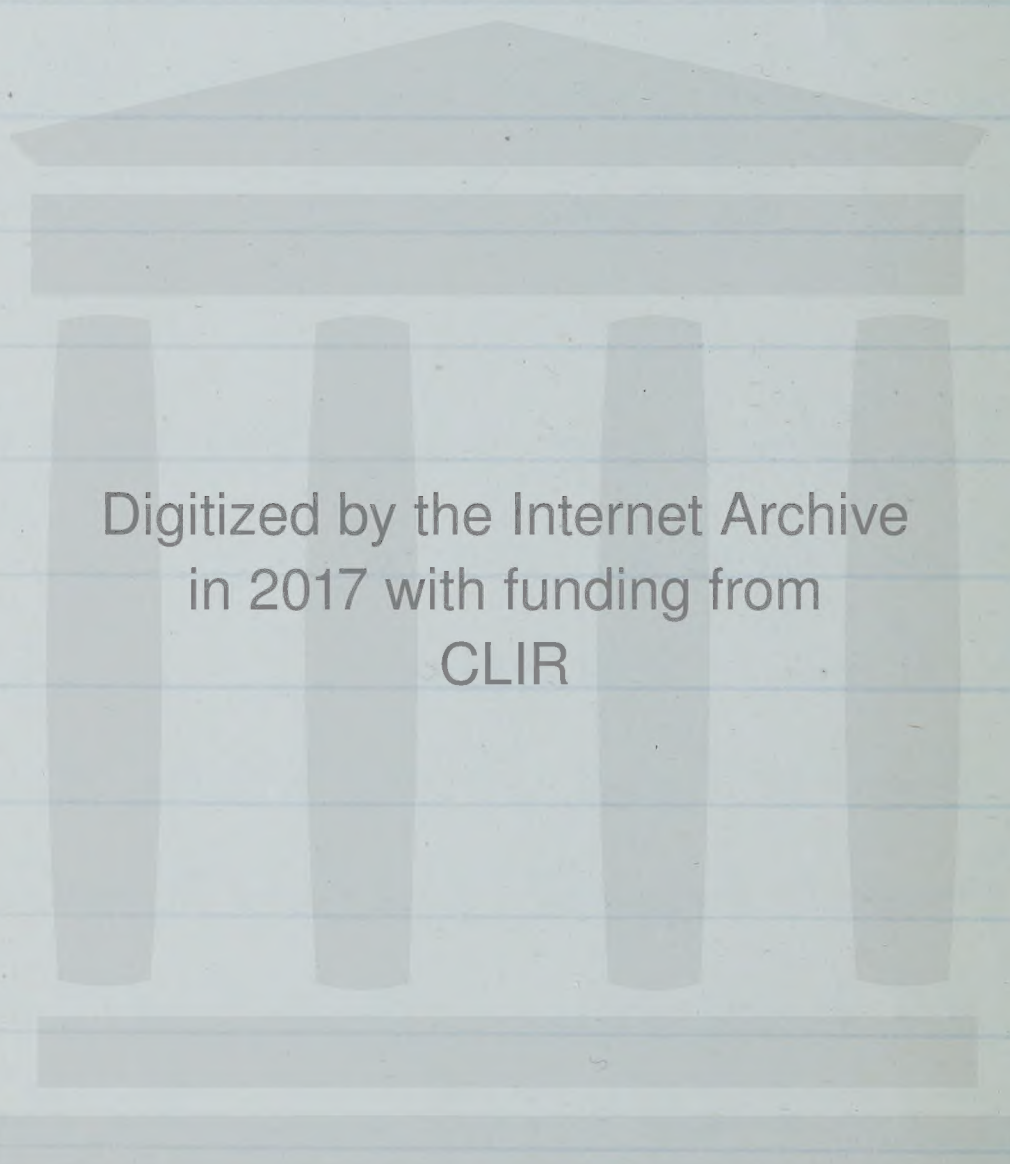
Jan. 29. Snowed hard - twice 8 a.m. & 11 p.m.

Mr. Grinnell brought his class to watch birds. All kinds came. Jun. And. Circle at 10 watched birds a few minutes then went up hill to snow.

Jan. 31. Found a Parkman Wren in old orchard near Mrs. Parson's reservoir. Two Rufous Cr. sparrows nearby. Clear.

Feb. 1. Clear.

Feb. 2. Cold cloudy.



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Feb. 1916.

Feb. 3. Rain. Feb. 4. Rain. Saw Red breasted
Sapsucker, Flickers, Bluebirds, Audubon
warblers, Titmouse, Robins and Varied Robins
in Institution Grounds.

Feb. 4. Took Junior Audubon Circle to Institution
Grounds. Saw Flickers, Varied Robins, Robins,
Anna Hummingbirds and heard Bluebirds.
I heard Bluebirds flying over in afternoon.

Feb. 7. Walked thro' Campus about 4:30 P.M.
Many Robins and Varied Robins. Robins
were singing.

Feb. 9. Found Brown Towhee nearly dead on
E. porch. Revived it with cold water on
head. After a few minutes it flew away.
Mrs. Schlessinger and Mrs. Kluegel came to
see birds.

Feb. 11. Clear. Feb. 12. Beautiful day - Mrs. Kelsey
brought Sunday school class of boys to see
birds. Junior Aud. met. Went to lunch with
Mrs. Pope in N. Berkeley. Saw two flocks

Feb. 1916.

of Bluebirds - one on wires above Mrs. Parsons house
one in N. Berkeley - Mrs. Pope reported that she
saw an Anna Hummingbird taking material
from an old nest in fuchsia up into pine tree
a few days before.

Feb. 13. Titmice singing. Feb. 14, 15, 16 warm.
White-throated Sparrow disappeared.

Feb. 17. 1 adult and 1 juvenile White-crowned
Sparrow came to railing to feed. Warm.

Feb. 18. Cooler. Feb. 19. Thick fog much of day -
Took Jim. and. up canyon. Hutton's Vireo
singing.

Feb. 21. Rain. Feb. 22. ^{Vireos} Wrens and Titmice
singing a great deal. Thrasher singing
often.

Feb. 23. Heard Bluebirds. White-crowned Sp.
Come to feed every day - singing freely -

Feb. 24. ~~Lutescent Warbler arrived.~~

Glaucous Gull (?) on bay - Very light.

Feb. 25. ~~Heard Lutescent Warbler again.~~ Flock

Feb. 1916.

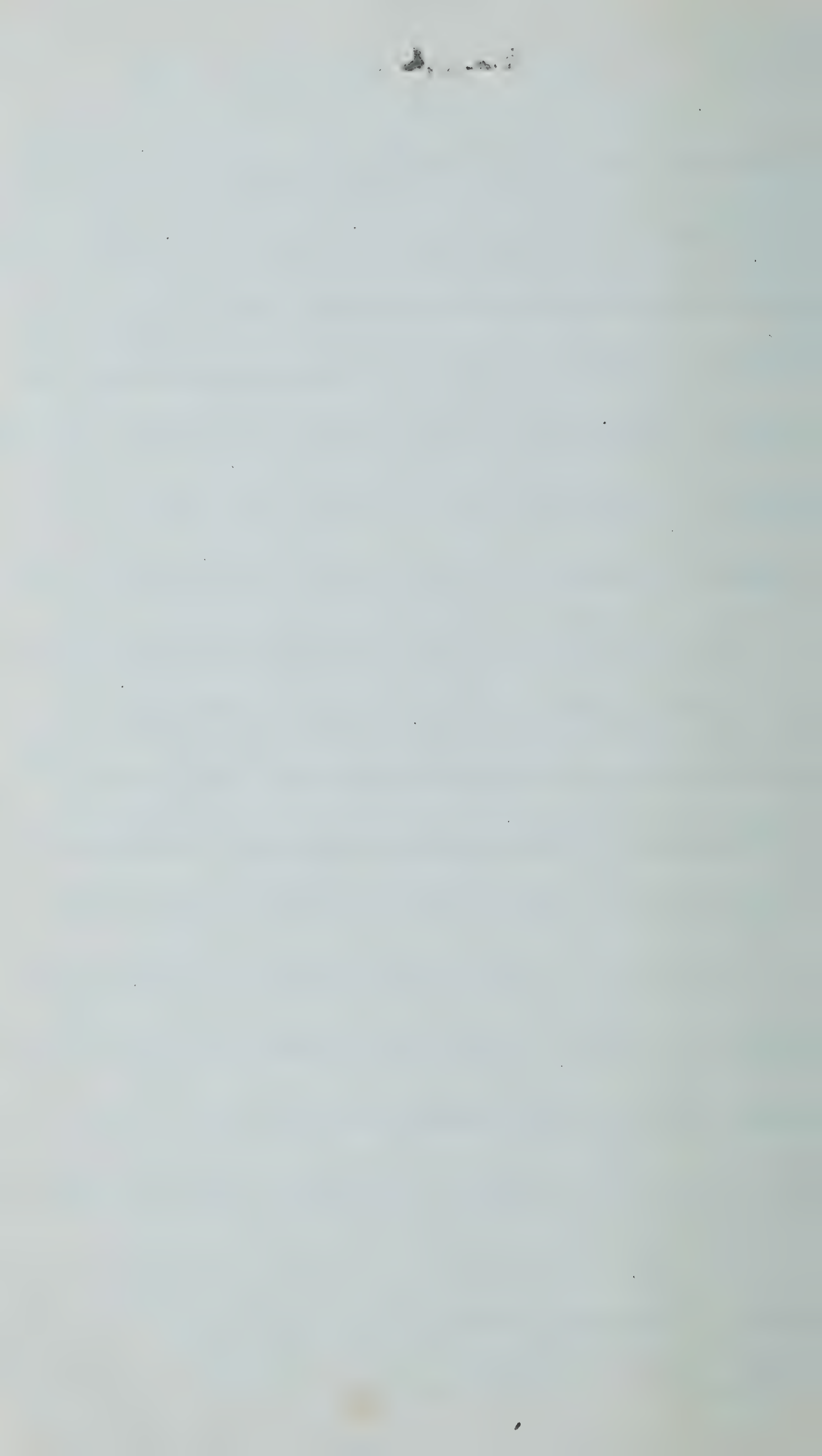
of juncos came to feeding ground. One to three
Whiterumped Sp. come every day to feed. One
just finishing head molt.

Feb. 26. Showers intermittent. Went with
Mr. Ferguson to ~~State~~ Game Farm. Learned
following ducks:

Mallard, Gadwall, Baldpate, Green winged Teal,
Cinnamon Teal, Spoon bill, Pintail, Wood Duck,
Red-head, Canvas-back, Ruddy Duck, ^{also} Fulvous
Tree Duck, Lesser Snow Goose, White-fronted Goose,
Bob-white, Valley Quail, Mt. Quail, Ring-necked
Pheasant, Silver Pheasant, Gt. Blue Heron.
On way saw 2 Butcher birds, 1 Red-winged
Blackbird (Bicolor), many meadow larks,
Brewer Blackbirds and Linnets.

Feb. 28. Saw Parkman Men near Mrs. Buckham's
house.

Feb. 29. Began series of Bird walks for adults -
13 present. Brought them to house first to
watch birds through window, then went to



March 1916.

Institution. Saw 20 birds. Bright morning.
Cold afternoon.

March 1, 2. Showers. March 3. Saw and heard
Allen Hummingbirds.

March 4. Saw Rufous Hummer.

March 8. Bush tits taking nesting material
from old nest. Went to cemetery. Saw following
birds in Country Club. Red-breasted Sapsucker,

Kinglets. Varied Robins, Juncos, Purple finches (many)
Pine Siskins (many), S. F. and Cal. Towhees, Song
Sp. and White cr. Sp.

March 11. Began a second section for Bird
walks. 11 present. Saw 18 birds. Blue
jays carrying nesting materials. Saw
13 gulls rise over hills and fly eastward
about 4 P.M.

Mar. 12. Pileolated Warbler and Western Flycatcher
back. Heard migrating water birds in
evening.

Mar. 13. Warbling Vireo back.

March 1916.

Mar. 18. Took Jim. and circle for walk. Saw

two Cal. Woodpeckers at end of Piedmont Ave

Mar. 19. Showers, warm, larks in new foliage.

Baby Blue Eyes in full bloom.

Mar. 20 rain. Mar. 21. Warbling Vireo and

Pileolated Warblers heard again. Flock of 13

gulls soared very high then flew eastward
4 P.M.

Mar 24. Went to Bay Farm Island. Many pipits.

Meadow larks, 2 Night Herons, Rail, Hudson-
ian Curlews, Gt. Blue Herons. Many ducks
on Estuary.

Mar. 25. Parkman Wren singing.

Mar. 26. Beautiful, warm day. Mar. 27. Rusty
Song Sparrows still here.

Mar. 28. Bird walk to N. Berkeley. Lovely day.

Mar. 31. One Golden-cr. Sp. in full plumage. Heard
migrating Gulls twice. Wren tit sang at 9:30 P.M.

April 1916

Apr. 4. Black-headed Grosbeak singing near Senior Women's Hall.

Apr. 5. Took children to Museum.

Apr. 8. Went to Bolinas. Heard MacGillivray Warbler before leaving Berkeley -

Apr. 9. In Bolinas - saw Kingfishers, large black Ducks (Scoter?) Bluebirds (nesting), Willow Goldfinches - Pleasant day -

Apr. 10. Came home. Saw Barn Swallow near lagoon. Clear morning. N.W. wind. Showers on way home.

Apr. 11. N.W. wind. Showers.

Apr. 12. N.W. wind. Brilliantly clear. Hermit Thrush & Golden-cr. Sp. here still. Intermediate Sp. singing. Cliff Swallows back.

Apr. 13. Int. Sp. still here. ~~Its~~

Apr. 16. Kinglets, Audubon Warblers gone - Found nest of Western Flycatcher under bridge. 3 Eggs. Nest of Parkman Wren under Senior Women's hall.



April 1916.

Apr. 19. Took children out 10 a.m. Found two more nests of W. Flycatcher under Senior Women's hall. Nest under bridge (see Apr. 16) had 5 eggs.

Apr. 21. Heard Russet-backed Thrush.

Apr. 25 Heard Lazuli Bunting.

Apr. 26. Found Lutescent Warbler's nest on ground, roofed over by natural covering. 4 young feathered. Vigor's Wrens began to build in nesting box. Malcolm Stratton brought me a Hermit Thrush injured.

Apr. 27. Hermit Thrush died. Took it to museum. A few Golden-cr. Sp. still here. Vigor's Wrens very busy.

Apr. 28. Lutescent Warblers left nest 10 a.m.

Found Song Sparrow's nest with one young bird (wings feathered, back naked) at 10 a.m.

Two eggs also. At 4:30 p.m. bird was missing. Blue jays responsible? Found Bush-tit's nest. Parents both feeding young. Nest high in oak tree. Wrens seem to have finished nest.

April 1916

Apr. 29. Sat. Bird walk. Went up canyon from Mrs. Stratton's almost to Such Ranch. Heard four Mack. warblers, two Grosbeaks, one Thrasher, four Western Flycatchers, one Hutton Vireo (saw), three Pileolated Warblers, two Lutescent Warblers (busy with nestlings), one Titmouse, many Song Sp., Towhees and jays.

Apr. 30 Heard Wood Pewee. Found Linnet's nest, four ^{in Wagon House 62 Panamint Valley} eggs. Lazuli Bunting near house. Also Black headed Grosbeak. Heard warblers singing Townsend (?). Hot.

May 1. Heard Wood Pewee in distance.

May 2. Golden-cr. Sp. still here. Thrushes singing.

3. Saw 2 Gold-cr. Sp.

4. " " " " " . About 3 P.M. heard great commotion among birds on hillside W. of Parker house. Saw Blue Jay fly out of low bush with young bird in his beak. Examined spot. Found Wren-tit's nest with one young bird, almost naked. Put fine rabbit wire over nest.

May 1916

May 5. Did not succeed in protecting last Wrentit.
Nest empty.

May 6. Saw Golden-cr. Sp. (last time)

May 7. Cold N.W. wind. Found S. F. Parkes nest on ground
just below house - north. Under end of fallen log
and at foot of old stump. Three young opened
bills. Parents scolded persistently. Two Titmice,
one Lutescent Warbler, one Song Sparrow, and
two Wrentits came to investigate commotion
caused by my approach.

Wrentits nest on Warren House contained 5 eggs.
House Wren feeding very noisy young

Tyrto was in nesting box brooding. 12.

White-crowned sparrows feeding young out
of nest.

May 8. Saw flock of 12 Gulls rise and start East-
ward.

May 9. Bird walk. Above Gk. Theater, along
hillside to south, down Strawberry Canyon
to Piedmont Ave. Saw and heard

01;

here

May 1916.

Blue-sided Flycatcher, Western Tanager, Black-headed Grosbeak, Lazuli Bunting, Anna's Hummingbirds (with two young in bushes), Parkman and Vigors Wrens, Western Flycatcher, Song Sparrow. Several pairs (three at least) feeding young.

May 10. Mrs. Parker brought me a Blue Jay's nest containing two young just hatched. Absolutely naked, eyes closed. Dressed the young, then preserved them in alcohol and sent them to the Museum.

May 11. Had Bird Party for the Junior Audubon Circle. Each child had a nest and told its story. Here the Bird Alphabet from Ladies Home Journal, Cut out birds from cookie dough and had children name them; owl, gull, wren, wren tit, thrasher, brown towhee, hummingbird, etc. etc. About ten children and fifteen guests.

May 1916.

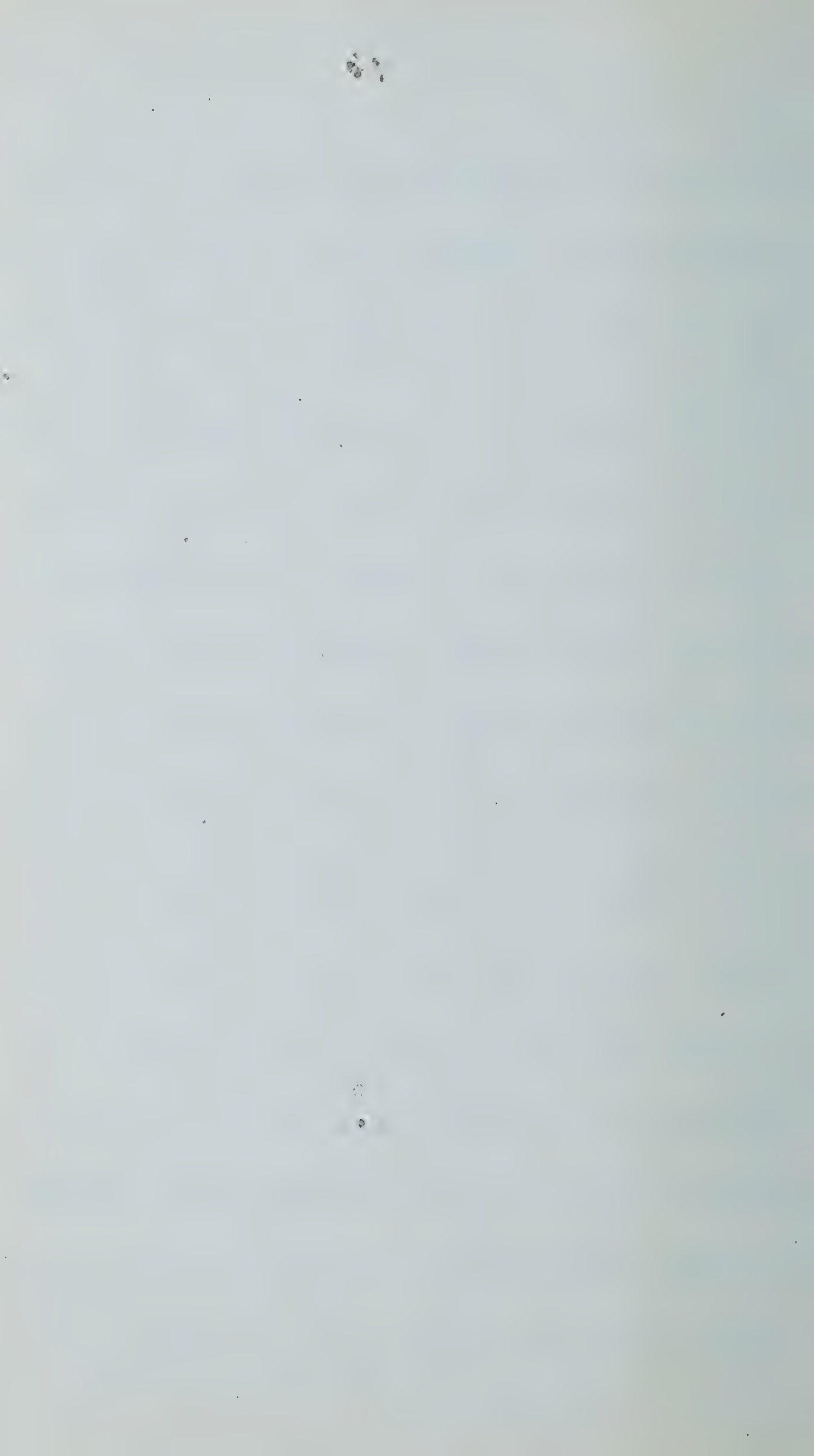
May 13. Took Bird Census 5-7:30 A.M.

Hot, east wind.

May 14. Went to Golden Gate Park with Mrs. Fergusson. Met Mr. Hansen and Game

Warden of the park; Mr. Clapp. Beautiful clear, warm day. Saw following birds:

1. Pied-billed Grebe - one on North Lake.
2. Gulls - several flying over.
3. Mallard - many. Saw 16 mothers with chicks, 2 nests occupied, 1 nest rifled.
4. Ruddy Duck - Several on Stony Lake & N. Lake.
5. Lesser Scaup - Several. 2 with young.
6. White-fronted Goose
7. Canada Goose
8. Cackling Goose?
9. Coot - Several. Two with young, 2 each.
10. Northern Phalarope - small - one on N. Lake.
11. Red Phalarope - larger. Several on North Lake.
12. Killdeer - heard and saw one as it flew over.
13. Cal. Quail - Abundant. Six nests. One nest with



May 1966.

young birds, one with 18 eggs; one with 20 eggs,
one with 24 eggs.

14. Mourning Dove. Saw one. (?)
15. Turkey Vulture - Saw seven coming together. (?)
16. Red-tailed Hawk - Saw two.
17. Red-shafted Flicker - Heard several. One
nest in large post about nine feet from
ground - five eggs. Mother flew out as
we approached.
18. (Swift (Vaux?) Saw one in flight. ^{uncertain})
19. Anna Hummingbirds - Abundant. Six
nests, five with two eggs each, one with
young.
20. Allen Hummingbird. Many. No nests found.
21. Arkansas Kingbird? Saw two ^{Not clear -} ^{rough for pos-} ^{itive identification}
22. Olive-sided Flycatcher - In nest side of
island in Stony Lake.
23. Western Black Phoebe - one with nest in
Buffalo paddock under roof of feeding
ben fastened to upright piece. Young

May 1916.

in nest almost grown. (Mr. Klapp said the birds had used the same nest for three years.)

24. Western Flycatcher - Saw one, heard several.
25. Bicolored Blackbird - on island in North Lake.
26. Brewer Blackbird - Abundant.
27. Cal. Purple Finch - Heard several.
28. Linnet - abundant. 1 nest with three eggs in low branch of pine tree.
29. Green backed Goldfinch - many.
30. Pine Siskin - many - Some feeding young out of nest.
31. English Sparrow - abundant in spots.
32. Nuthall Sparrow - Hundreds. Found two nests in close bushes about three feet from ground. One nest contained 3 young.
33. Song Sparrow - Many feeding well grown young.
34. S. F. Towhee - a few.
35. Black-headed Grosbeak. Heard one on

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west side of island in Star Lake.

36. Yellow Warbler - very abundant.
37. Western Yellowthroat - Heard several. Saw one
at North Lake.
38. Pileolated Warbler - Heard two.
39. Vigors Wren - heard several. One nest
with several young in old sock hanging
on fence near Buffalo paddock.
40. Santa Cruz Chickadee - Several feeding
young - two nests one with five eggs
in fence post near Buffalo paddock,
one with young - parents feeding.
41. Coast Bush-tit. Several feeding young.
One nest in acacia. Nest short, thick,
supported at bottom, lightly attached
at top, covered with acacia blossoms.
42. Russet-backed Thrush - many.
43. Western Robin - Several pairs - three
nests; one rifled; one with young, both
parents feeding, in sapling plant about nine feet

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from ground overhanging Equestrian path near
Spreckels Lake; one in Eucalyptus tree near
North Lake.

(Birds in Golden Gate Park not in Berkeley:

Swift, Kingbird, Bicolored Blackbird,
W. Yellowthroat, S.C. Chickadee, W. Robin
breeding.

Birds in Berkeley I did not find in
Golden Gate Park:

^{Calif.} Coast jay, Brown Towhee, Lyall's Bunting,
Lutescent Warbler, Mackinac Warbler,
Wren-tit, Warbling Vireo.)

May 15 - Cooler.

May 16. Automobile party to State Game Farm and
Miles Canyon. Cold wind, foggy most of
day. At farm saw, Mallard, Pintail,
Ruddy D. Red-head, Fulvous Tree Toad, Gadwall,
Canvasback, Cinnamon and Green-winged Teal,
Wood Duck, Coot (on nest), Canada, Snow

May 1916.

and White-fronted Goose, Blue Heron, Pheasants
Quail etc.

Went to Miles Canyon for lunch. Saw Kingfisher.
House Wren with nest in hole in Sycamore tree
feeding young.

May 17. Heard Tanager during Commencement
exercises.

May 18. Jan and Naudy opened Wren's nest, left
lid up over an hour. 4 eggs -

May 19. Olive-sided Flycatcher across canyon -
calling all day.

Wrens still in box.

May 20. Went to Lake Merced. Saw Northern
Phalaropes - circled about like swallows
but alighted on water then flew up and
alighted again - catching insects (?)

At Ingle side one flew from land into
surf; flew over the highest breakers.

Saw following birds at Lake Merced and in woods:
^{and light English} Culls, ~~Cat~~ ^{and} ~~and~~, Lesser Scaup (one), Northern Phal.

May 1916.

Bicolored Blackbird, Brewer Blackbird (Englebirds), Cal. Quail, Anna & Allen H., W. Flycatcher, Purple Finch, Linnet, Green-b. Goldfinch, Pine Siskin, Eng. Sparrow, Nuttall Sparrow, S.C. Song Sparrow, Junco, ~~S.C. Chickadee~~ ^{Cliff Swallow}, Yellow Warbler, W. Yellowthroat, Vigors Wren, S.C. Chickadee, Russet-backed Thrush. Very windy, clear.

May 21. James found Screech Owl sitting in hole of Flicker Box at end of Mosswood Road.

May 22. Warm. Saw Blue Jay attack Screech Owl. Owl repulsed three attacks then took refuge in nesting box. Tanagers here.

May 23. Cold N.W. wind. Took ladies to Golden Gate Park. Saw:

1. Mallard - 3 with young on N. Lake
2. Ruddy Ducks - several " " "
3. Coot - Several with young " " "
4. Northern Phalarope - one on N. Lake.
5. Kildeer - 3 in marsh in buffalo paddock
6. Cal. Quail. Several pairs, one with very young.

May 1916.

Golden Gate Park, May 23 (contin.)

7. Red-shafted Flicker - Heard several - Five eggs in nest in high post.
8. Anna Hummingbird - 1 nest w. two young, 1 sitting.
9. Allen Hummingbird - several.
10. W. Black Phoebe - feeding young in paddock.
11. Western Flycatcher -
12. Bicolored Blackbird - in paddock.
13. Brewer Blackbird - many.
14. Cal. Purple Finch - many.
15. Linnet - many.
16. Lark Sparrow - ? one young bird in ^{pine} tree in
x buffalo paddock. (General color light
gray - no brown. Superciliary white pointing
up to crown of head. Back of neck light gray,
rest of ~~back~~ gray broadly streaked w. black.
Breast nearly white with fine dotted streak-
ings on side. Size smaller than Nuttall,
larger than gold finch.)

May 1916.

(Golden Gate Park, May 23. Contin.)

17. Green-backed Goldfinch - feeding young in tree.
18. Willow Goldfinch - several.
19. Pine Siskin -
20. English Sparrow.
21. Nuttall Sparrow - abundant. Came for crumbs.
22. Song Sparrow (S. C.) Came for crumbs at lunch.
23. San Francisco Towhees - one came to pick up
crumbs at lunch time.

~~Black-headed Gros~~

24. Yellow Warbler - several
25. Western Yellow-throat. near N. Lake.
26. Pileolated Warbler
27. Santa Cruz Chickadee - families feeding -
28. Coast Bush-tit.
29. Russet-backed Thrush. Abundant. Came for crumbs.
30. Western Robin - 6 - one on nest. Feeding in marsh.

June 1916

May 24. Parkman Wren at Senior Hall and at Mrs. Elliott's feeding young. Jays feeding fully grown young near Museum.

May 27. Met children for last time this spring. Found Flicker's nest in oak tree - hollow limb at end of Mosserwood Road.

May 30. Bird walk followed by lunch at house. Saw Olive Warbler at end of Mosserwood Road.

May 31. Hutton Vireo calls constantly near Miss O'Connor's Cottage. Watched Olive Warblers at end of road. Feeding young (out of nest)

June 1. Western Flycatcher under dairy bridge has built a second nest and has four eggs.

Swallows still building on end of dairy. One nest nearly complete. Another with bottom begun - one bird sits inside while the other brings mud.

June 2. Olive-sided Flycatcher calling again across canyon.

Flicker's feeding young.

June 1916

June 3. 2 Heermann Gulls on bay. Heads white.

June 5. Flock of twelve or fourteen bush-tits came to fountain. Saw family of titmouse near swimming pool.

June 6. Took ladies thro' Institution grounds, on to hills back and over above Mrs. Coolidge to Snythe Canyon, then to Mrs. Ruski to lunch. Saw or heard twenty five species. Found Parkman wren feeding young in nest in ventilator of brick building - 20 ft. or more up. Another feeding young in bushes. Heard one Chipping Sparrow. Saw and heard juncos singing - Warm.

June 7. Thrushes competing in song.

June 8. Tolmie Warbler singing again at end of Mosswood Road. Thrush pulling at string near fountain. Cool. Frequent of day.

June 10. Flickers calling constantly at end of road. Young Tolmie warbler flew into bush near me at end

June 1916.

of road. Put my hand down over it but it flew be-
tween my fingers. remarkably tame.

June 18. Took walk up canyon to old Such ranch
and down to Gk. Theater with Mr. Hansen,
Mrs. Ferguson and her daughter. Savor head
warm.

- | | |
|------------------------|------------------------|
| 1. Cal. Quail | 17. Ing. Sparrow |
| 2. Flicker | 18. Nuttall Sparrow. |
| 3. Willow Woodpecker | 19. S.C. Song Sparrow. |
| 4. Anna H. | 20. S.F. Towhee. |
| 5. Allen H. | 21. Cal. Brown Towhee |
| 6. Olive-sided Flyc. | 22. Blackch. Grosbeak. |
| 7. W. Flycatcher | 23. Cliff Swallow. |
| 8. Wood Pewee. | 24. Lazuli Bunting. |
| 9. W. Meadowlark. | 25. Cliff Swallow. |
| 10. C. Jay. | 26. Warbling Vireo. |
| 11. Cal. Jay. | 27. Yellow Warbler |
| 12. Cal. Purple Finch | 28. Pileolated Warbler |
| 13. Linnet | 29. Lutescent Warbler |
| 14. Greenb. Goldfinch. | 30. Toluine Warbler |
| 15. Willow Goldfinch | 31. House Wren |
| 16. Pine Siskin. | 32. Vigors Wren |
| | 33. Wren-tit |
| | 34. Bush-tit |
| | 35. Plain Titmouse |
| | 36. Thrasher |
| | 37. Thrush. |

June 1916.

June 19. James saw Flicker fly into and out of
nesting box occupied earlier by screech owl.

June 20. Warm. 21. warm. Saw two
Screech Owls at dusk one on electric wire,
one on pole in Mosswood Road. Heard low
calls. Wrens still feeding little bird in box.

Jim Parker watched them about an hour.

June 22. Warm. James saw Barn Owl on roof
of house on Bancroft Way at 3 P.M. being
attacked by jays. Tormented till sunset, Miss
Hilgard told me.

June 23. Gulls on bay, mostly Western in full
plumage. One Heermann. Warm.

June 27. Wren left nest in box. Nest begun Apr. 26.
Box opened by boy May 18. - 4 eggs.

July 8. Went to Chico on camping trip.
Arrived about 6 P.M. No accommodations
at hotel so had our baggage taken
after supper to a pleasant camping
spot near a spring and a little way

Cisco. July 1916

from the Yuba river. Wonderful air. James managed to make things comparatively comfortable before dark. Nine years since my last camping trip in high Sierras.

July 9. Glorious day. Notes following birds.

Mt. Quail (heard), Red-s. Flicker, Night-hawk, Calhoun Hummer, Olive-backed Flycatcher, W. Wood-pewee, Blue-fronted jay, Cassin Purple Finch, Green-backed Goldf. Mt. White-crowned Sp., Chipping sparrow, Sierra Junco, Thick-billed Fox Sp., W. Tanager, Tree Swallow, Warbling Vireo, Cassin Vireo, yellow Warbler, Audubon Warbler, Pileolated Warbler, Red-br. Nuthatch, Mt. Chickadee, Ruby-cr. Kinglet, Russet-backed Thrush, Western Robin (nest w. young in cottonwood tree 8 ft. fr. ground. Total 25

July 10. Brown Creeper (heard), Black-headed Grosbeak.

Found Wood Pewee's nest w. young (very young) in cottonwood tree 25 ft. of Parents brooding. Poor Will, called about 20 times w. short intervals after 20 or 25 calls.

Cisco, July 1916.

July 11. Found Slender-billed Nuthatch on dead red fir near cabin. Red-br. " later at foot of Cedar tree in Rattlesnake Creek Canyon.

(Calaveras Warbler singing continually in early morning. Jones building nest in crevices of small tamarack washed out by winter rains.

July 12. Stroked little chipmunk playing possum. Kingfisher fishing near camp in river. Pine Siskins in Rattlesnake r. Canyon. Heard Sierra Hermit Thrush call. Found another Wood Pewee's nest. Warm. 82°.

July 13. Spotted Sandpiper on river near camp. Audubon's Warbler's nest high in Cottonwood. Both parents feeding.

July 14. Walked over to Crystal Lake. Found Mountain Song Sp. on river below bridge. White-headed Woodpecker on large yellow Pine. Backed down then walked up - Brezyp. Many tree sw. 4 young on wire.

Cisco, July 1916

July 15. Walked to Hotel, cross S.P. tracks and up hill a little way. Found Mt. Bluebird below hotel, and young across R.R. Linnet about hotel and cabins, Greentailed Towhee in brush above R.R. singing, Lazuli Bunting. Patted baby Robin in low pine tree. Young Sandp. running about.

July 16. Walked up to Campbell Lake. Cliff Swallows about barn. ~~Barn~~ ^{brush above} sp. in ~~nest~~ shed.

July 17. Saw hornet, black-headed thorax blue wings, red abdomen & black lip. Dry hole in ground. Brought paralyzed Tent caterpillar, buried it, filled hole and sealed w. pebbles. Watched process three times. Tent. Caterpillars very abundant on deer brush.

July 18. Went to Lake Valley, over ridge S. of Cisco. Verified G.T. Towhee, Lazuli B. Robin's nest w. 2 eggs. Wood Pewee's nest in aspen.

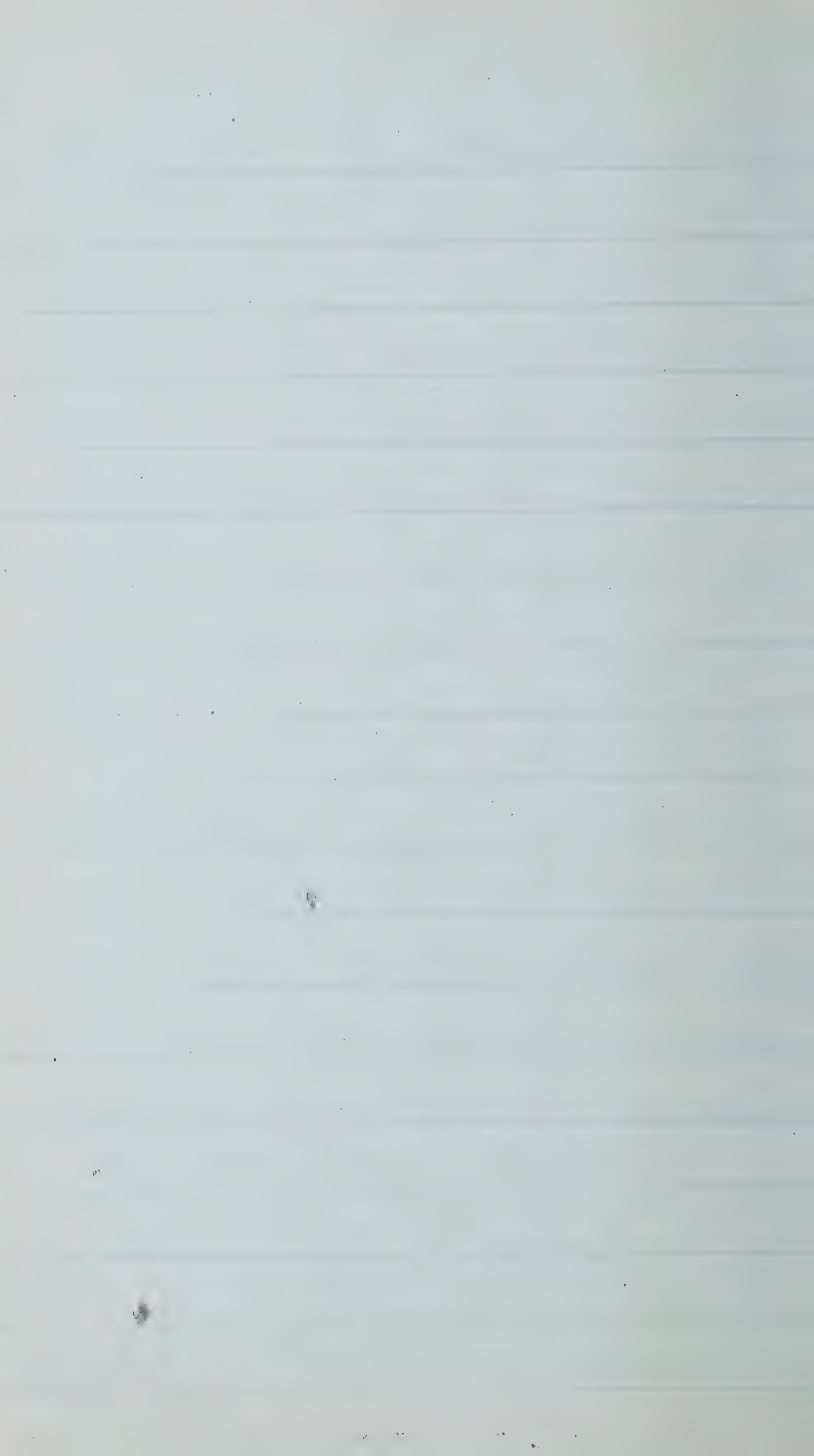
Cisco, July 1916.

Red-tailed Hawk soaring near monument at Pl.
Tolmie Warbler feeding young in brush east
of hotel.

July 19. On trail up Rattlesnake Cr. found Red-
breasted Sapsucker and nest with young
calling. Nest in hole in live aspen tree.
Parent went in, turned, came out. Tight squeeze.
Townsend Solitaire with nest + 2 eggs
Nest on rocky shelf overhanging Rattlesn.
Cr. about 3 ft. above water.
Ruby-cr. Kinglet feeding fledglings. Also Red-b.
Nuthatch.

July 20. Sparrow Hawk. Townsend Solitaire
nest - 3 eggs - James went to Sterling
Lake Signal Peak. Heard Sierra
Hermit. Thrush + Clark Nuthatches
Mrs. Young + daughter reported Louse
w/ young on Signal Peak.

July 21. Went up to hotel about 8:30 A.M. Many
Warbling Vireos in flocks along river



Ciaco, July, 1916.

Saw two Evening Grosbeaks. heard their peculiar whistle. Hammond Flycatcher. Note Sewick. Breast grayish. Audubon Warbler feeding fledglings.

July 22. Packed up and came home. Very hot thro' valley, 106°. Flocks of thousands of swallows over meadows above Suva. Evening Grosbeaks came to feed at kitchen door of hotel at Ciaco. Total number of birds seen 50. Identified for first time, Poor Will. Spotted Sandpiper. Mt. Song Sparrow, (Brewer's Sparrow?) Evening Grosbeak, Hammond Flycatcher.

July 31 - Hurt my back in garden.

Aug. 6. Anna Hummers about Fire Lilies and Lion's Tongue all the time

Aug. 7. Thrasher comes for water. Also family of quail - 10 young. Cold, foggy.

Aug. 8. Cold, foggy.

Aug. 9. Warm. Flocks of Warbling Vireos.

August, 1916 - (Sciatica)

Aug 11. Addressed Coopers Club notices in evening. Back very bad. Sat at dining room table. Heard scratching on lower pane (door) of door on to east porch. Turned on light and found skunk trotting about on porch, head down, tail up over back.

Aug. 12. Beginning of 5 weeks in bed with intense suffering in sciatic nerve.

Aug. 14 Heard Grosbeaks.

Aug. 15. Many Vireos Foggy.

Aug. 16. Cold. foggy. Aug. 17. MacG. Warbler singing.

Aug. 18. Thrasher singing beautifully at 5 A.M.

Aug. 20. Very warm. Fog in night.

Aug. 25. Heard Grosbeak.

Aug. 29. Lutescent & Toluine Warblers still here.

Sept. 7. Read Birds of the Plains (Vol. I) by
Douglas Seward.

Sept. 1916.

Sept. 8. Heard Groovebeak, ~~Hermit Thrush~~ and Western Gnatcatcher. Not quite sure of Gnatcatcher.

Sept. 12. Heard Nuthatch (first time), Western Flycatcher, Nuttall Sparrows singing Vigor's Wren (singing) also Thrasher & Wren Tito

Sept. 24. Mr. & Mrs. Grinnell called and brought me a number of Bird Books to read, among them Chapman's Camps and Cruises,

Sept. 25. Mr. Danson came to sell me Birds of California.

Sept. 26. Golden-crowned Sparrow Jack.

Sept. 29. Hermit Thrush calling. Rusty Song Sparrow on feeding ^{ground}. Heard Intermediate Sparrow singing. Also one Ruby-cr. Kinglet.

Sept. 30. Rain. Began to do some work about house.

Oct. 1916.

Oct. 3. Fox Sparrow back.

Oct. 4. Saw and heard three Rust-backed
thrushes. Mrs. Fick reported Black-
throated Gray Warblers in her garden.

Oct. 8. Many warblers & Vireos migrating.
Delayed by rain. Saw Lutescent Audubon,
Townsend, Black-throated Gray, and Her-
mit warblers. Feeding in oaks all
the morning.

Oct. 9. Tea for Bird lovers - to meet
Mr. Dawson. Robin seen flying
over.

Oct. 10. Warblers about again - Lutescent,
Townsend and Black-throated Gray.

Oct. 13. Cold fog.

Oct. 18. Heard Golden-crowned Kinglet.

Oct. 27. On feeding ground at 9:15 A. M.
7. Golden cr. Sp. 5 Fox Sp., 2 Song Sp.
1 Nuttall Sp., 1 Thrasher, 1 Flicker (drinking),
2 Br. Towhees, 1 Wren tit. (contin)

Nov.
Oct. 1916.

- Oct. 27. Audubon Warblers, Blue jays and Green-backed Goldfinches near.
- Nov. 1. Flock of Robins across road.
- Nov. 14. Rusty Song Sp. back again. Has been missing about a month. Varied Robin on feeding ground an hour or more, eating apple skin.
- Nov. 16. Rusty Song Sparrow here everyday.
- Nov. 18. Went to Academy of Sciences. First trip to city since illness.
- Nov. 19. Walked up old road to Frenchman's. Saw 3 meadow larks on wire, large flock robins, many goldfinches, Anna Hummer, Kinglet etc.
- Nov. 20. Rusty Song Sp. on railing. Clear.
- Nov. 22. Following came together to feed. 1 Nuttall Sp., 15 Golden-cr. Sp., 2 Song Sp., 1 Rusty Song Sp., 2 Fox Sp., 2 San F. Towhees, 2 Br. Towhees, 1 Thrasher, 2 Wren-tits, 1 Hermit Thrush.

Dec. 1916.

Dec. 18. Walked down town to Campus. Near Agriculture bridge saw hosts of birds - Sparrows, R. Kinglets, 6 Townsend Warblers, juncos, and one strange warbler, olive green above, yellowish below, white spot over eye - Orange-Crowned Warbler.

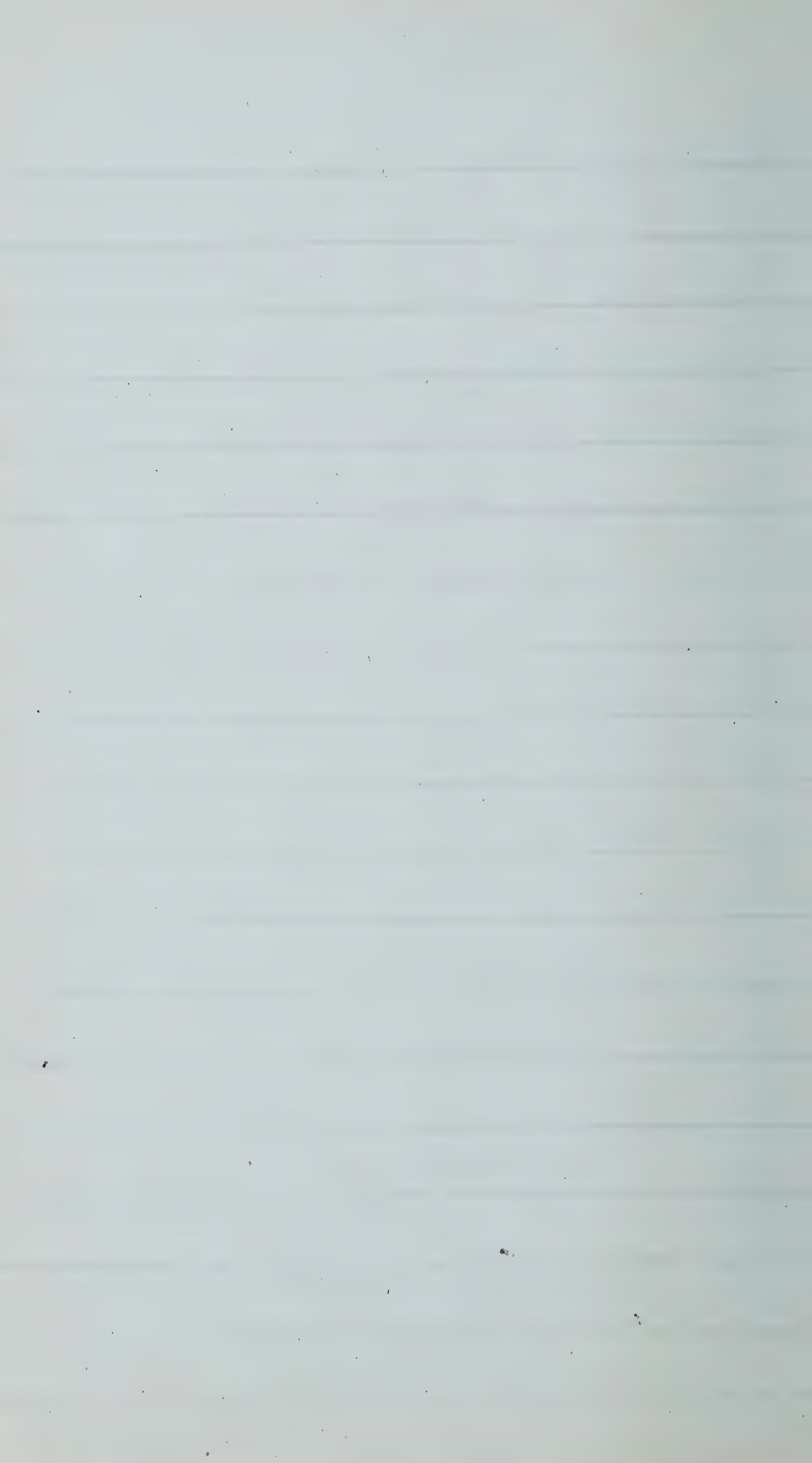
Dec. 19. Rusty Song Sp. back again after an absence of several weeks.

Dec. 21. At 1 P.M. (cold day) I was attracted by a chorus of alarm notes which sounded as if dozens of Br. Towhees were calling. Found flock of 12 Cassin Purple-Finches in Black oak trees near edge of our lot - among them four males with red feathers on head lifted into crest. Females streaked, bills large tapering not rounded above. Red of males yellower than that of Cal. Purple Finch. Remained some ten minutes. Could not detect cause of alarm. Dusted down then began to eat buds on oak tree and uttered softer note similar

Dec. 1916.

to that of Cal. Purple Finch. Flew in a flock when automobile came up Mosswood Road.

Dec. 29. Cold. Clear. Took walk thro' Campus with Mrs. Mead. Saw usual winter birds; juncos, robins, sparrows, 2 red-breasted Sapsuckers, Titmouse, Townsend, & Audubon Warbler, many R-C Kinglets. Went to Museum. Examined Orange-crowned Warbler (several by Mr. Grinnell and Miss Wythe) also Cassin Purple F.



1917

Jan. Clear and warmer. Mrs. Washburn & Mrs. Hersam both reported that a fox with yellow bushy tail came down hill, crossed Arden Rd. in front of Mrs. A's house, came down hill thro' orchard and started down Lane back of Mrs. Elliotts. Met Frenchman, came back to Mosswood Rd, went down thro' Mrs. Parsons land and was lost to view.

Jan. 4. Saw one lone pipit on lawn at College & Durant. Foggy.

Jan. 10. Little Western Winter Wren in oak tree outside living room window.

Jan. 28. James made feeding table.

Jan. 29. 2 Varied Robins at noon at drinking fountain.

Jan. 30. Went up to Big C. Saw large flocks of pipits. Also large flock of Audubon Warblers.

Jan. 31. Mrs. Irvine reported Cedar Waxwings feeding in Mt Ash trees. Went with Mrs.

Feb. 1917

Made to see them. Great numbers eating pepper berries at 1633 Arch St.

Feb. 13. Began series of Bird walks. Went along Piedmont Ave. into Blake Gardens & Campus. Saw Audubon Warblers, Ruby-cr Kinglets, W. Robins, Varied Robin, San Francisco Towhee, Dwarf Hermit Thrush, Golden-cr. Sparrow, Anna Hummer, Allen Hummer (first time this season), Purple Finch, Song Sp., Bush-tits, Wren-tits, Vigors Wren, Cal. Br. Towhee

Feb. 17. Cool, partly cloudy. Walked along Piedmont into Campus & a little way on Big C. trail. Saw Audubon W., Song Sp., Flickers, Cal. Blue Jay, Ruby-cr. Kinglets, Br. Towhee, S.F. Towhee, Wren-tits (2), Bush-tits, Meadow Lark, Pipits (500?) Nuttall Sparrow, Golden-cr. Sp., Pine Siskin (100), Anna and Allen H., Varied Robin, Red-tailed Hawk, Vigors Wren.

Feb. 19 Rain Feb. 18-22. Country very dry. No rain in January.

Feb. 27. Clear, crisp. Walked thro' Institution grounds then along Prospect to Campus - Saw very little

March, 1917.

Feb. 27 (contin.) Saw Eng. Sp., Greenbk Goldfinch.

Blue jay. Hermit Thrush, Flicker, Bush-tits, Juncos,
Sparrow Hawk, Song Sp., Golden-cr. Sp., Audubon W.,
Intermediate Sp., S.F. Towhee, Varied Robin,
Titmouse - Anna H., Ruby-cr. Kinglet.

Mar. 3. Clear changing to cloudy - Campfire, College
& Nurseries. Saw Ruby-cr. King, Red-breasted
Nuthatch, Pine Siskin (4), Br. Towhee, Anna
H., Cal. Blue jay, Aud. Warbler, Bush-tits in
pairs and in flocks, Plain Titmouse (2),
S.F. Towhee (1), Nuttall Sparrow (3).

Swallows (~~Cliff?~~) - 4 flying high.

Mar. 6. Walk in Lower end of Canyon. Quail,
Anna H., Hermit Thrush, Song Sp., Gold-
finch, Bush-tits (in pairs), S.F. Towhee, Br. Towhee,
Cal. Jay, Audubon Warbler, Red-tailed Hawk, Rufous(?) H.,
Fox Sparrow, Sharp-shinned Hawk, Titmouse.

March 12. Lutescent warbler singing. Front.

March 14. Moved into Buckhams house on Panoram
way. On S.W. Slope of hill. Eucalyptus to S -
Ornamental trees & shrubs - Front.

Mar. 20. Claremont Hotel grounds: Varied Robins
on lawn - very tame. Cal. Jay, Bush-tits,
Fox Sparrow, Ruby-cr. Kinglet ♀, Hermit Thrush,
Vigors Wren, Wren-tit, Purple Finch, Allen
H., Audubon W., Western Robin, Song sp.,
S.F. Towhee, Lutescent Warbler, Greenb. Goldf.,
Eng. Sp., Intermediate Sp., Brown Towhee,
Golden-cr. Sparrow.

March, 1917.

March 15. In early morning heard Flicker, Mead.
or Lark. Nuttall Sp., Br. Towhee, Rufous-cr. Sp.,
Song Sp., Later Sparrow Hawk. Saw R.C. Knight
in acacia. Nuttall Sp. came on to porch for food.
Cold. Heavy frost.

March 16. Cedar Waxwings in Pepper trees on
Prospect St. near Dwight Way.

March 17. Cool. Clear. Walk thro' Institution
Grounds and Canyon back of it. Saw:

Intermediate Sp., Bush-tls., Br. Towhee, Blue Jay,
Coast Jay, Linnet, Audubon Warbler, Sparrow Hawk,
Red-tailed Hawk, Golden-cr. Sp., Junco, Rufous-cr. Sp.,
Flicker, Nuttall Sp., Anna H., Allen H., Newt.

March 18. Cedar Waxwings in Pepper trees on Panoramic.

Took walk up canyon with James & Jamie.
Allen Hummers beautiful. Last of wild Currant.
Fruitings in bloom. Clear, balmy.

Mar. 19. Clear, warmer.

Mar. 29. Rain. Cold.

Mar. 30. Went to Golden Gate Park with Mrs. Cole & party.
Japanese Cherry in bloom in tea garden. Windy P.M.

March, 1917.

March 31. Last regular Bird walk. Went to Museum.

Mill Valley - Spent four days at Turner Cottage upon divide between Mill Valley and Muir Woods. Apr. 1-4. A surprising lack of birds possibly due to forest fire which burned large areas on the mountain last year.

Apr. 1. Beautiful Spring day. Saw

Turkey buzzards (4) - Allen H (1). Wren-tits (2), Swallows (2), Lutescent Warblers (2), Bush-tits (2), Sharp-shinned Hawk (1), Quail (20).

Apr. 2. Buzzards (2), Red-tailed Hawk (1), Vigor's Wren (1), Lutescent Warblers (2), Coast Jay (2). Foggy w. some rain. Windy night.

Apr. 3. Purple Finch (1), Hutton Vireo (1), S.F. Towhee (1), Cal. Jay (2). Beautiful warm day.

Apr. 4. Janine sick. Came home.

Apr. 5. Warm.

Apr. 6. 1 House Wren singing. War declared.

Apr. 24, Pine Siskins, Warbling Vireos, Sp Hawk,
Wren-tit, Eng. Sp., Coast Jay, Br. Towhee, Willow
Woodpecker, House Wren, Ark. Goldfinch, Anna
H., Bush-tits, Nuttall Sp., Titmouse, Lazuli B.,
Linnet, Purple Finch, W. Flycatcher, Junco,
Russet-backed Thrush, Grosbeak, Golden-c Sp.,
Song sp., S. F. Towhee, Pileolated warbler, Lutescent W.,
Quail, Flicker, Meadow Lark, Cal. Jay, Allen H

Total 38.

April 1917

- Apr. 7. Cliff Swallows busy.
- Apr. 8. ^{Cool} Heard Warbling Vireos & Pileolated Warbler
- Apr. 9. Warm. Heard Western Flycatcher.
- Apr. 12. Olive-sided Flycatcher back.
- Apr. 15. Western Flycatcher and House Wren building under ~~Senior Women's Hall~~ ^{Junco's} ~~Anderson~~ Warbler, Townsend W., Lutescent W., Willow Woodpecker, Black-headed Grosbeak all near by. ^{Warbling Vireos (6)} Heard Geagle, geagle, geagle, geat, up scale which sounded like ^{Thornbird} Hermit Warbler but could not see him.
- Apr. 20. Lazuli Bunting back. Golden-cr. Sp. still here. Junco's singing.
- May 1. Saw Anna H., Allen H., Linnet, Lazuli B., Nuttall Sp., Purple Finch, Br. Towhee, Eng. Sp., S.F. Towhee, House Wren, Meadow Lark, Olive-sided Flycatcher, Lutescent Warbler, Cal. Quail, Flicker, Wren-tit, Pileolated Warbler, Cal. Jay, Towhee W., Vigor's Wren, Bush-tit, Thrasher, Song Sp., Titmouse, Golden-cr. Sp., Great Goldf.
- Total 26.

May 8. Bird walk, San Titmouse, S.F. Towhee,
Cal. Towhee, Lut. Warbler, Cliff Swallow,
Bush-tit, Allen H., Green b. Goldf., Flicker (nest) ^{in hole in oak}
Vigors Wren (nest, young) in hole in oak tree,
Lazuli Bunting, Thrush, Cal. jay, Wren-tit,
Meadow Lark, Song Sp., Toluine Warbler,
Willow Goldf., Anna H., Linnet,
Purple Finch, Sharp-shinned Hawk.
Walk near house. Lunch in garden.

May 1917.

- May 3(?) Returned to 37 Mosswood Road, from ~~London~~ ~~London~~
- May 6. 2 Golden-cr. Sp. on feeding table. Last record.
- May 8. Titmouse in nesting box feeding 6 babies partly
← fledged. Saw & heard W. Tanager.
- May 11. Saw Longtailed Chat in oak trees W. of house. Singing.
- May 15. Last Bird Walk. Claremont Country Club. List. Linnets, Purple Finches, Ciss-
sided Flycatcher, Song Sp., Pine Siskin,
Br. Towhee, C. Swallow, Nuttall Sp., Greenb.
Goldf. (nest, 4 young), Sparrow Hawk,
Anna H., House Wren, Allen H., Chipping Sparrow, Brewer Blackbird, Western
✓ Robin (nest in deciduous oak), W. Flycatcher,
Yellow Warbler, Meadow Lark, Quail, Grosbeak
(building nest) Pileolated Warbler, Sierra ^{Pt. Plover}
✓ Junco (nest, 4 young on creek bank).
Warbling Vireo.
- May 18. Went to Claremont Country Club to investigate
Juncos. Nest pulled out, young gone. Other
Juncos singing seemed to be Sierra. Robin still sitting.

May, 1917. Los Angeles.

May 19. Started to Los Angeles. Went on Harvard S.S. Beautiful smooth trip.

May 20. Reached L.A. 11 A.M. ^{went to 4530 W. 18 St.} Automobile ride up Mt. Hollywood late in P.M. Many wild flowers and birds. Wrentits, Grosbeaks, Spurred Towhees, Thrashers singing. Near new L.A. High School many Horned Larks running about in grass.

May 21. Automobile trip to Ocean Park.

May 22. Boyle Heights.

May 23. Went to Claremont by Electric by way of Pomona. Pomona to C. by auto - cold, rainy. Orange groves so large and beautiful. In full blossom.

May 24. Claremont. Cold. 25. Cold.

May 26. Warmer. Clouds cleared so we could see mts. - snow covered. Went out to wash, G.H.

Theater. Saw students drilling. Saw following birds: Anna H., Mourning Dove, Meadow Lark, Buzzard, Spurred Towhee, Thrasher, Vayors Wren, Wrentit, Barn Owls (heard), Yellow

Claremont, May 1917.

May 26 Claremont (contin) Warblers. Phainopepla (com)
Wood Pewees (com) Cal. Towhee (com) Linnets
(abundant), Brew. Blkb. (abundant), Pileolated
Warblers. Cliff Swallows (abundant. many
nests on Bridges Hall), Black-headed Grosbeak (common), House Wren (2), Hutton Vireo,
Warbling Vireo, Cassin Vireo, Western
Gnatcatcher, Bush-tit, Mockingbird, S.
Flickers, Hooded Oriole, Green-b. Goldf. (abundant)

May 26 In afternoon took Janine for walk to
Indian Hill. Wild flowers wonderful.
Great Blue Larkspurs. Pentstemon, Sedge,
all kinds of tiny beautiful flowers low-
growing. Mournful call of Dove in oak
trees on edge of hill. Top is bounded into
Golf Links.

May 27. Church A.M. P.M. Automobile ride
to George Silents place in foothills
near Glendora.

Claremont, May 1917.

May 28. Had beautiful morning walk in
park, due east past Smith place -
Added following birds to list, Bulcher
Bird, Cactus Wren (with 3 young), Cal.
Woodpecker (w. nest in dead top of Sycamora)
Costa Hummer. The Wren and Hummer
identified for first time. Phainopepla
nest in oak tree, 30 ft. up - Feeding young.
Cliff Swallows nest on Bridges Hall
all destroyed.

May 29. Went to Pomona and out to Cemetery.
Investigated Eng. Sp. in Claremont.
Found only one colony nesting in
Eucalyptus trees cor Alexander & First Sts

May 30. Went by automobile to Los Angeles -
Left way of Foothill Boulevard - Stopped
at Bush Gardens in Pasadena. and
lunched at Eagle Rock

May 31. Went by auto to Griffiths Park. Took
lunch. Thrashers very tame. Cal. Jays

Pasadena & Highland Parks.

June 1917.

very abundant. In evening went to
So. Div. of Cooper Club at Exposition Park.

June 2. Made 2 calls in Pasadena. One
on the Arroyo - Very beautiful. Many
birds - Hot.

June 3. Called on Mr. & Mrs. Loye Holmes
Miller in Highland Park. Prof. Miller
took us for a walk in the Arroyo -
Saw Trill Flycatcher for first time -
Wonderful place for watching birds
Mockers, Thrashers, Grosbeaks kept
air resounding with music. Many
came to lawn for food and water -
Prof. Miller imitated their notes
with great success.

June 6. Spent night in Pasadena. Western
Tanager called and sang.

June 8. Went out to Pomona so as to see
Electra in Gk. Theater. Trip to mouth
of San Gabriel Canyon P.M. Saw many

Los Angeles, June 1917.

fish trying to jump up over fall 2 ft. or more high.

In Pomona Eng. Sp. build nests on stubs of palm leaves that have been cut, leaves above form thatched roof over nests. Hooded Oriole

✓ feeding young in nest built close under palm leaf. Naked heads stretched up for food.

(After returning to Berkeley, Mrs. Fish reported that Mrs. Riley and friend found Cedar Waxwings in Mr. Nickson's garden on June 9, eating cherries, I suppose)

June 10. Returned to L.A.

June 11. Went to Exposition Park. Mr. Wyman very kindly explained the wonderful specimens taken from the Brea beds. Later in afternoon went by auto to see Brea beds - the exhibit left in situ.

June 12. Auto ride to City Parks, Elysian Heights, Eastlake, Hollenbeck - Returned 8:30 P.M. Black Phoebe everywhere.

June 17. Full list. 5-7 a.m. Gaucha Park, Pomona

Song Sparrow Bush tit Yellow Warbler
Eng. Sparrow Pallid Muntj Thrasher
Mocking Bird Cliff Swallow Mourning Dove
Anna Hummer Ash-throated Flycatcher.

Wood Pewee Gnatcatcher Hooded Oriole

Cactus Wren Shrike Brewers Blackb.

Blue Jay (cal.) Willow Goldfinch Ark. Goldf.

Ark. Kingbird (nest) Grackle Bullock Oriole

Flicker Br. Towhee Meadow Lark Anthony

Towhee Black Phoebe Hummer (Black-chinned?)

Spurred Towhee Parkman Wren Sparrowhawk

Hutton Vireo Quail Total 39.

Breakfast in Park at 7. Very hot when
we returned.

Returned to L.A. 6 P.M. Cooler.

Pomona, June 19/17. (123°)

June 14. Went out to Pomona. Burning hot 110°.

Drove to Cucamonga in P.M. Must have been 120°. Went thro orange packing house.

Very interesting. Oranges washed, brushed, dried, sorted, graded, wrapped and packed without being touched by the human hand. Last two done by hand but protected by paper from touch. All the rest by machinery.

June 15. 16. Two parties with thermometer still up to 110° and up. Young oranges killed and walnuts withered.

June 17. Rose at 4:30; went out to Ganesha Park with Mrs. Bertha Anthony. Saw 35 species. Ark. Kingbird with nest on Telegraph pole exposed to broiling sun. Sparrows Hawks feeding young in tops of Eucalypti, Hooded Orioles singing, Anthony Towhees, Pallid Wren-tits, Ark. Throated Flycatcher, Willow Goldfinch, Cactus Wren.

June 18. Auto ride to Redondo, back by Migger Slough where I had $\frac{1}{2}$ hr. birding. Saw Coots, Black-cr. Night Herons, Tule Wren, Yellow Headed Blackbirds, Killdeer, Cinnamon Teal. Cormorants - Flock of Cormorants in top of tree - Bills orange Cinnamon under neck. Sooty shoulders, Swan away later. At Sunset. Beautiful lights on water. Grosbeaks and Orioles singing. Also yellow warblers and Vireos.

June 19. Went to Santa Monica. Perfect day.

June 20. Boarded Harvard for Berkeley. Warm and calm till midnight.

June 21. Reached S.F. at noon after very rough 9. M.

July 9. Dozens of Hummers buzz about the yellow Mums on the hillside every day. Most Annas - adult males many of them. Do males care for grown young while females raise 2nd brood.

July 16. Thrushes song decreasing.

Berkeley, July 1917.
Summit. " "

July 17. Brown Towhee came while I was watering from East Porch. Flew on to railing, then to porch floor where I used to keep bird seed. Repeated action. I put out seed and two Towhees came immediately to feed. Had put out no seed for two months.

July 21. Went to Summit. Reached Summit about 7:30 P.M. Ehoed out sleeping bags and slept under stars.

July 22. Made camp on edge of meadow just below Forest reserve tract. Spring of ice cold water near. Also stream of water for other purposes except drinking. Saw following birds during course of day - Spotted Sandpiper, Sparrow Hawk, Cooper's(?) H., Calliope H., Pac. Nighthawk, Olive-sided Flycatcher, W. Wood Pewee (abundant), Clarke Crow (heard), Cassin Purple Finch (abundant), Ark. Goldf., Pine Siskin, Thick-billed ^{For} Sparrow, Mt. White-cr. Sp., Seelira junco, Chipping Sp., Mt. Song Sp. (heard), Black-headed Grosbeak, W. Tanager, Warb Vireo Cassin Vireo, Toluene Warbler, Audubon Warbler (young full grown)

Brown Creeper (heard), W. Robin S. / Hermit Thrush (heard)

Mt. Bluebird (with young full grown), Mt. Chickadee.

July 23. Pileolated Warblers w. young out of nest.

Calaveras Warblers " " " . . .

Muthatch (heard - alarm notes)

Greentailed Towhee, Ruby-crowned Knight.

July 24. Red-sh. Flicker, Woodpecker (small), Blue-fronted jay, White-headed Woodp., Lincoln Sparrow - on edge of mt. meadow at head of large lake. Beautiful, varied, vibrant song. First identification.

Swallow - saw one near lake. Whitebreast, dark back (Tree S?) . Two Juncos' nests, 4 eggs each.

July 25. Golden-cr. Kinglets heard but not seen satisfactorily.

Pine Grosbeak - nest and young. Have watched nest three days. Nest in Tamarack Pine about 35 ft. from ground. Adult comes to nest once every half hour, flies directly to nest, feeds (two or three) birds, then gets into nest, takes out excrement and flies away, flying high. Calls near nest remind one of Bluebird's call. Young silent except for

Summit, July, 1917.

twittering when fed. Saw two little birds on edge of nest yesterday and today one was on branch near nest when ~~mother~~^{parent} bird arrived.

Have had to watch several days to get bird in right light to feel sure of identification.

July 26. Both little Pine Grosbeaks on branches near nest calling softly. Heard male sing. Song similar to that of Purple Finch but richer and sweeter.

A Mt. White-cr. sp. has adopted us, picking up crumbs about the camp. Came under table when James was writing at the table.

July 27. Little juncos hatched in nest near camp.

Nest on ground under ^{fallen} pine branch. Calliope

Hummer came to banquet of alpine thistle on table while we were eating lunch - not more

than 12 in from each of us -

July 28. Pine Grosbeak ^{male} in top of tree. Studied Cassin's P. Finches & family of Mt. Bluebirds. Saw Brk. Goldf. Little juncos gone, one dead left in nest. Heard

alarm notes when I was getting dinner last night.
James investigated but did not locate cause of trouble
Saw Clarke Nutcrackers in top of Tamaracks near
by, eating nuts out of cones apparently.

July 29. Went to chain of lakes, Angelina, Argentina.
Saw the usual birds, one junco's nest under over-
hanging rock, contained 3 naked young, 1 egg.
Heard Wren (Parkman?), Kingfisher.

July 31. Found Williamson Sapsucker on horizontal
branch of fir tree which was riddled with holes
and had only a few green needles left. Bird would
run out on branch toward Saps. but retreated.

Nuthatches on same tree - Slender-billed, I think.
Black-headed Grosbeaks flew into camp trees, called
and sang. James heard ^{one later,} must be spreading
out from breeding grounds lower down.
Perhaps migrate east of ridge. Clarke Nute. have
been about in the trees. ~~Clara~~ Calaveras Warblers
very abundant in many flocks. (Ready for migra-
tion?) Aug 1. Partly cloudy. Took walk thro' woods

Summit, July 1917.

Saw Williamson Sapsucker, Black-headed Grosbeak, and a Pine Grosbeak which was singing. Heard Nuthatch, Hermit Thrush. Thunder shower circled about us in late afternoon.

Flock of birds feeding in Tamaracks across stream from camp - Fly high in flock, calling constantly "Keep, keep, Keep, Keep". Light in tops of trees, become silent as they fall to work. Balance themselves on ends of branches, sometimes hanging upside down, extract ^{seeds} ~~seeds~~ (apparently) from cones and fly with it to stronger branch where they get out the kernel, dropping husks to ground. After a few minutes they begin to call and fly to another tree near by or take their departure. Color largely red, - I suspect they are Crossbills.

Aug. 2. Flock of 20 Crossbills (?) flew over, calling. Calls answered by others feeding in trees near camp -

Aug. 3. Little Brown Creeper visited camp & sang at dawn. Went up to hotel at 7 A.M. for breakfast. Many birds flocking.

Berkeley, Aug. Sept. 1917.

Returned to Berkeley. Train late. Disagreeable trip - hot, dusty, ^{crowded}.

Aug. 5. Jamie sick with Colicitis. Appendicitis followed after 2 wks.

Aug. 14. W. Robin in Cypress trees near Mosswood Rd. Thew S.

Aug. 15. " " " orchard at 6 P.M.

Aug. 17. ^{Jamie's} Appendix removed 6:30 P.M.

Sept. 9. Allen H. still here. Heard W. Tanager. Russet-b. Thrush still here.

Sept. 11. Heard Golden-cr. Kinglet 9:30 A.M. 4:30 P.M. Int. & Nut. Sp. in
Castor Beans. 5:30 P.M. 2 Sharp-sh. Hawks taking turns
on Reber wireless pole.

Sept. 12. Waked at 5 A.M. Br. Towhee called first, then Rus b. Thrush.
Brewer Blackbirds: 3 stragglers flew toward roost bet 5:40-50,
5:50-6:15, 10 flocks flew eastward, largest number 6.

Sept. 16. Walk on Titus road. Russet b. Th., Warb. Vireos, W. Fly c.
Lutescent Warbler and Wood Pewee still here. Migrating
Warblers flocking w. Vireos - Townsend & Black-throated Gray,
Int. Sp. & Sh. Sh. Hawks. Sept. 19. Russet b. Thrush

calls at dawn each A.M. Sept. 21. New Thrasher song
showing influence of Long-tailed Chat. Showers

22. Showers. Sept. 23. Thrasher giving Red-tailed Hawk
call. Sept. 24-28. hot. Many 4 Thrashers singing at
one time. Our 9 are Robins Kuck, kuck, kuck, kuck.

Sept - Nov - 1917

- Sept. 29. First Golden-cr. Sparrow. Cooler.
Sept. 30. Screech Owl about nesting box in oak tree.
Oct. 1. Golden-cr. singing. Black-thr. Gray Warblers near
E. window. Heard R. C. Kinglet 3 times. Saw & heard
Parkman Wren singing whistles song.
Oct. 2-4. Hot. Walked up canyon to dairy road. Saw
or heard several R. C. Kinglets. Fox Sparrows, Audubon
Warblers. Linnets & Flickers eating Elderberries.
Oct. 5. Cool. Parkman Wren here.
Oct. 9. Dwarfy H. Th. back. Oct. 21. 1 Gnatcatcher -
Canyon Road. Flickers eating poison oak berries.
Oct. 23. Heard Kingfisher's rattle as he flew over. And.
W. very abundant. 4 Hermit Th. Seen on way home
thro' canyon. Oct. 26. Hot. Many Golden-cr. Sp. singing.
Nov. 1. Heard Golden-cr. Kinglet. Nov. 3. Flock of Pipits.
N. of Cal. Hall. Chimes played first time.
Nov. 7. Screech owls come to nesting box each a.m.
Nov. 9. Flock of 7 Bluebirds flew over. Seemed to be about to
light near Mrs. Hernandez. Nov. 11. Flickers & Virginia W.
came for water. 2 Coast Jays on ground later.
Nov. 15. Series of Bird walks, one each week 6 wks. No rain.
No mammal birds. Dec. 6. Saw 4 Red-br. Sapsuckers
eating pears in Institution Grounds. Nov. 30
rain at night. Dec. 1. Many birds near observatory
& Mosley Creek - juncos, Jays Coast & Cal., Flickers,
Kinglets, Titmice, Townsend Warbler. Nov. 15 Saw
Gnatcatcher in brush beyond Morewood Rd.
Dec. 25 Rain.

No Robins or Varied Robins. No stragglers
on feeding ground.

